

# Converting Colors

CIELCh(73, 54.766, 158.787)

Have a look what the booklet for  
CIELCh(73, 54.766, 158.787)  
contains.

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**Color**

**CIELCh(73, 54.913, 158.736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FCA8D
RGB	63, 202, 141
RGB Percent	25%, 79%, 55%
CMY	0.7535, 0.2082, 0.4474
CMYK	0.69, 0.00, 0.30, 0.21
HSL	154°, 57%, 52%
HSV	154°, 69%, 79%
XYZ	27.9378, 45.1644, 32.4069
YIQ	153.4850, -63.2630, -48.4390

# Conversions

## Conversions Part 2

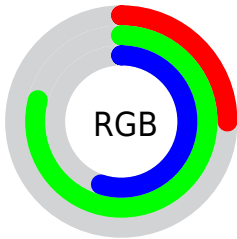
<b>Format</b>	<b>Color</b>
<b>RYB</b>	63, 152, 202
Decimal	4180621
CIELab	73.00, -51.17, 19.92
CIELCh	73, 54.913, 158.736
Yxy	45.1644, 0.2648, 0.4281
Android (android.graphics.Color)	4282370701 (0xFF3FCA8D)
YUV	153.4850, -6.1551, -79.3553
Hunter-Lab	67.2044, -43.4029, 18.4526

# Details

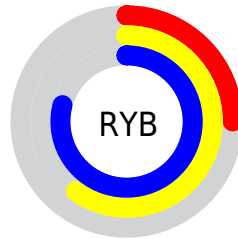
The CIELCh color **73, 54.913, 158.736** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **49, 59.641, 356.811**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 52.239, 159.923**, and **54, 51.733, 156.007** is the 20% darker color. If you saturate the color by 10%, you get **72, 60.624, 156.864**, and if you desaturate by 10%, it is **74, 48.399, 160.399**.

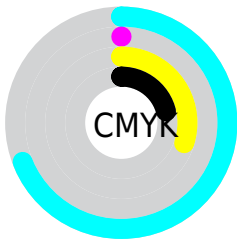
# Distribution



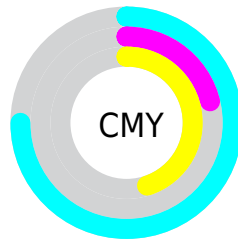
- Red (25%)
- Green (79%)
- Blue (55%)



- Red (25%)
- Yellow (60%)
- Blue (79%)



- Cyan (69%)
- Magenta (0%)
- Yellow (30%)
- Black (21%)




- Cyan (75%)
- Magenta (21%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 54.913, 158.736 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 73, 54.913, 158.736 by changing the saturation by 10% instead.





 73, 54.913,  
158.736


 73, 54.913,  
158.736


 100, 54.913,  
158.736


 63, 54.913,  
158.736


 93, 54.913,  
158.736

 53, 54.913,  
158.736

 43, 54.913,  
158.736

 33, 54.913,  
158.736

 23, 54.913,  
158.736

 13, 54.913,  
158.736

 3, 54.913, 158.736

■ 0, 54.913, 158.736

■ 73, 54.913,  
158.736

■ 73, 54.913,  
158.736

■ 72, 60.624,  
156.864

■ 74, 48.399,  
160.399

■ 72, 65.507,  
154.780

■ 75, 41.167,  
161.873

■ 72, 69.672,  
152.540

■ 76, 33.344,  
163.182

■ 72, 70.131,  
152.293

■ 77, 25.077,  
164.350

■ 78, 16.511,  
165.403

■ 80, 7.778, 166.378

■ 81, 1.007, 346.757

■ 83, 9.753, 347.934

■ 85, 18.390,  
348.691

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73, 54.913, 158.736



49, 59.641, 356.811

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 54.913, 158.736



73, 54.913, 208.736



73, 54.913, 338.736



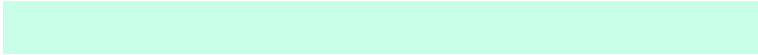
73, 54.913, 28.736

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73, 54.914, 158.736



96, 22.189, 165.156



74, 75.106, 127.998



51, 14.990, 164.865



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73, 54.914, 158.736



89, 75.476, 155.790



72, 35.502, 203.019



42, 5.021, 166.326



60, 60.154, 152.648



12, 20.152, 158.438



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49, 59.641, 356.811



57, 80.095, 1.467



49, 61.478, 32.358



40, 5.104, 347.867



35, 61.159, 7.468

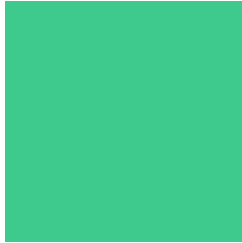


4, 19.372, 357.273



# Previews

## White Background



This preview shows how the CIELCh color 73, 54.913, 158.736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 73, 54.913, 158.736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 73, 54.913, 158.736

## Background



This preview shows how black text looks on a background with the CIELCh color 73, 54.913, 158.736.

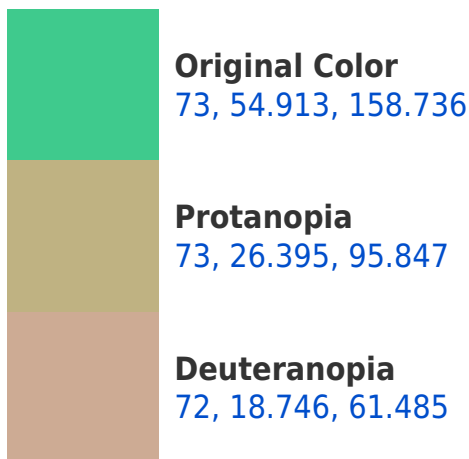


This preview shows how white text looks on a background with the CIELCh color 73, 54.913, 158.736.

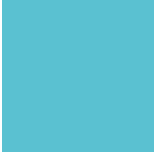
# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy







**Tritanopia**  
73, 30.473, 214.085

# Trichromacy



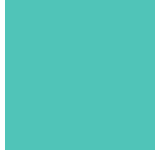
**Original Color**  
73, 54.913, 158.736



**Protanomaly**  
72, 33.143, 137.664



**Deuteranomaly**  
71, 23.049, 137.349

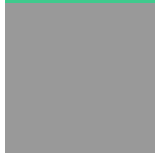


**Tritanomaly**  
73, 35.602, 186.072

# Monochromacy



**Original Color**  
73, 54.913, 158.736



**Achromatopsia**  
63, 0.008, 296.813



**Achromatomaly**  
66, 22.495, 164.703

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 54.913, 158.736 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(63, 202, 141)` looks like.

```
.text, #text, p{  
    color:rgb(63, 202, 141)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(63, 202, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 202, 141) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 54.913, 158.736 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(63, 202, 141) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(63, 202, 141) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(63, 202, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 202, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 202, 141);  
box-shadow:4px 4px 4px 4px rgb(63, 202,  
141) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 54.913, 158.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 202, 141) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(63, 202,  
141) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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